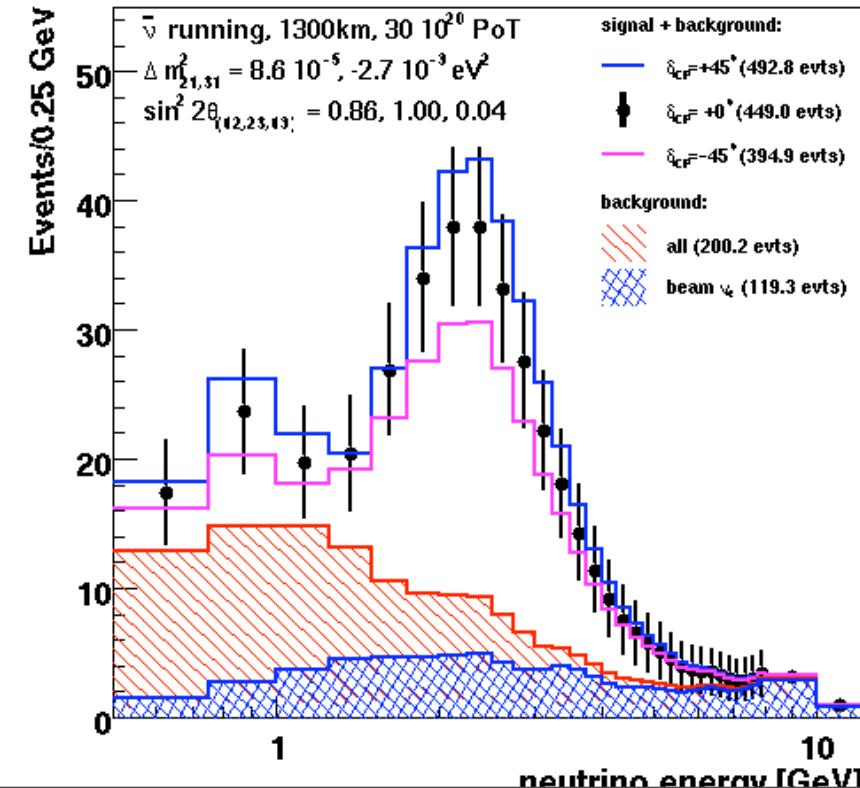
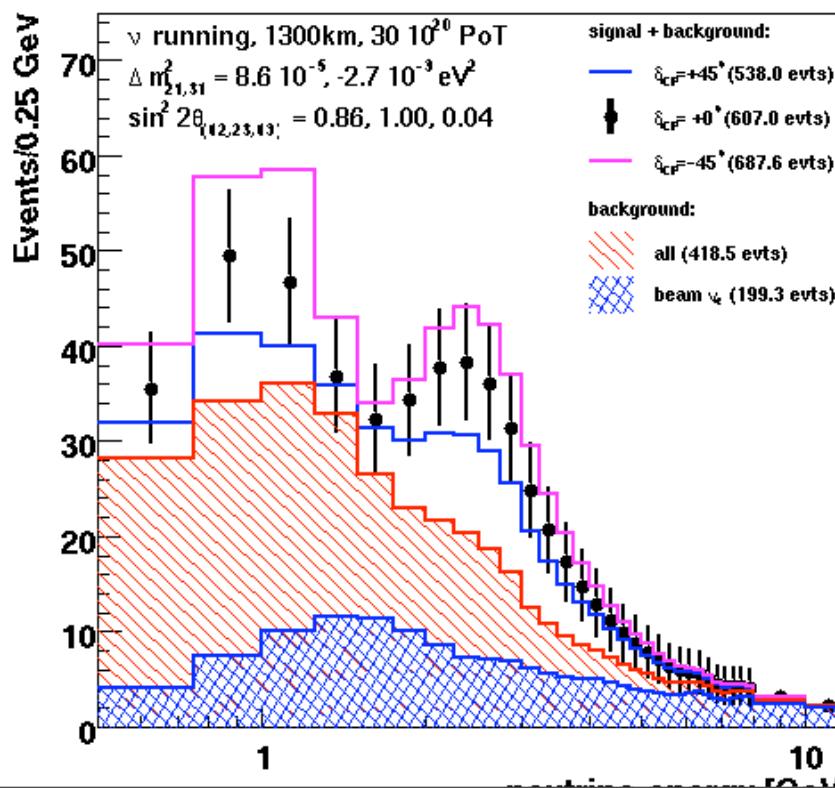
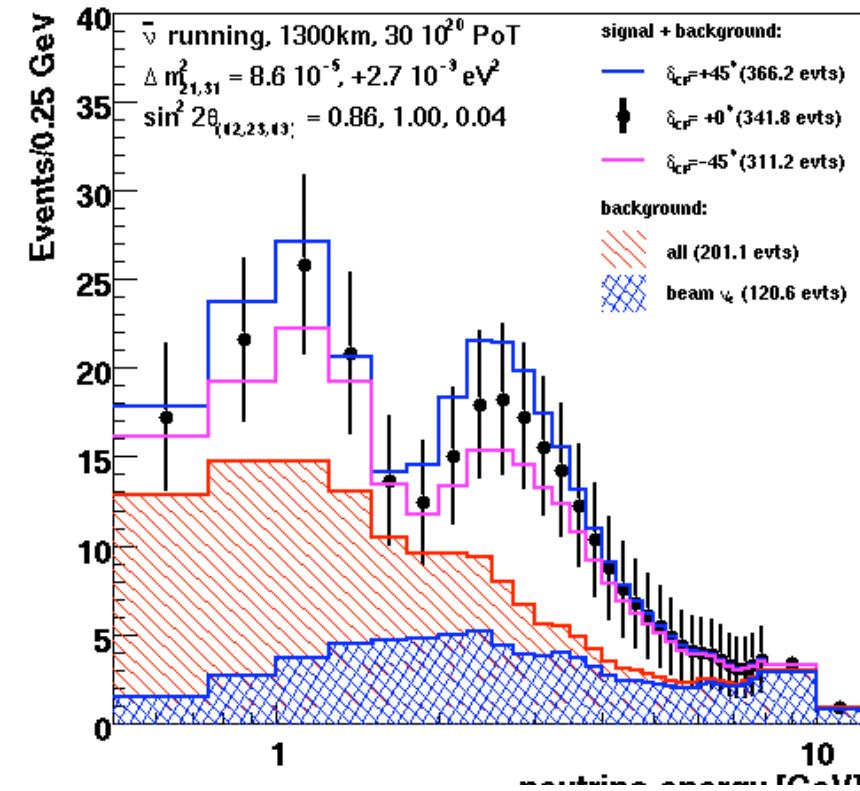
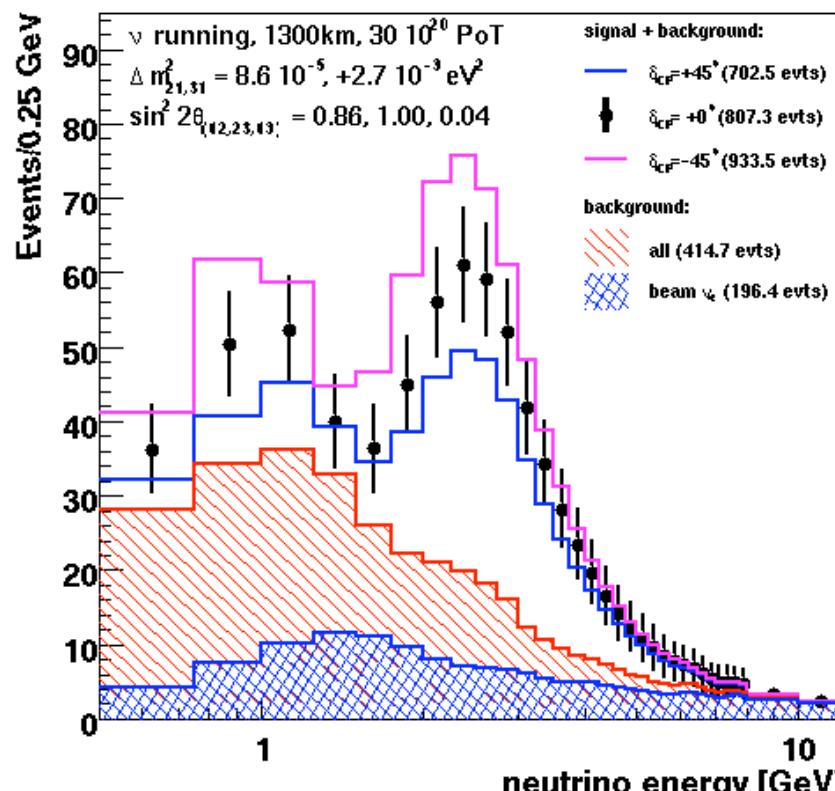


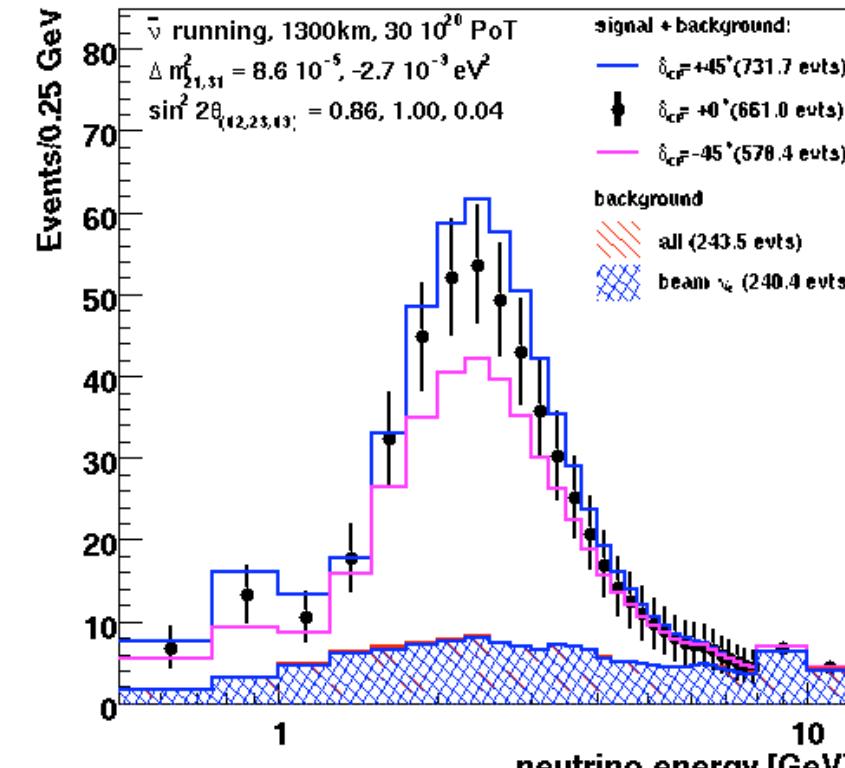
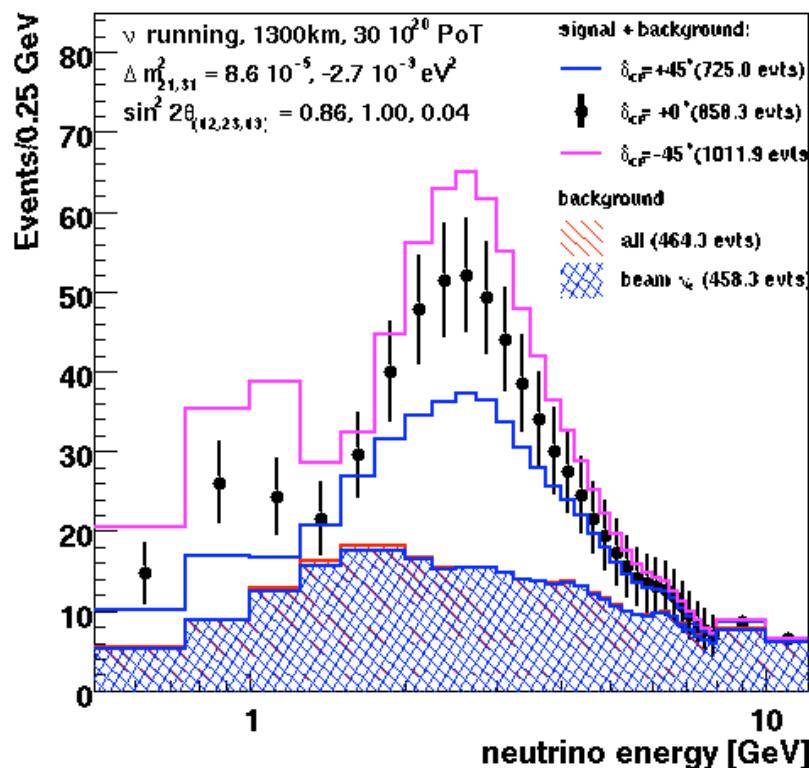
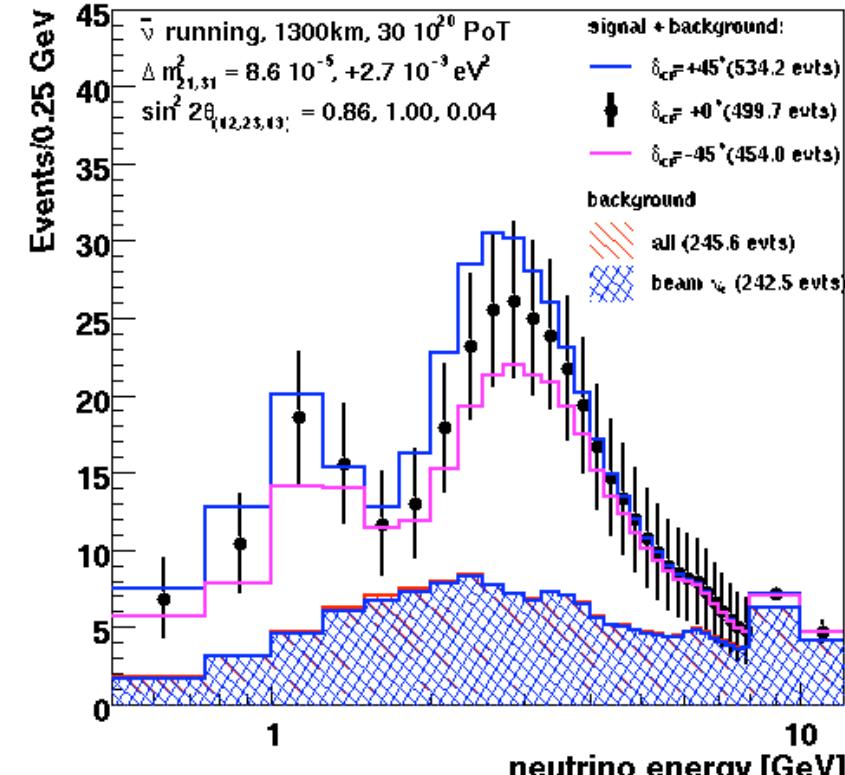
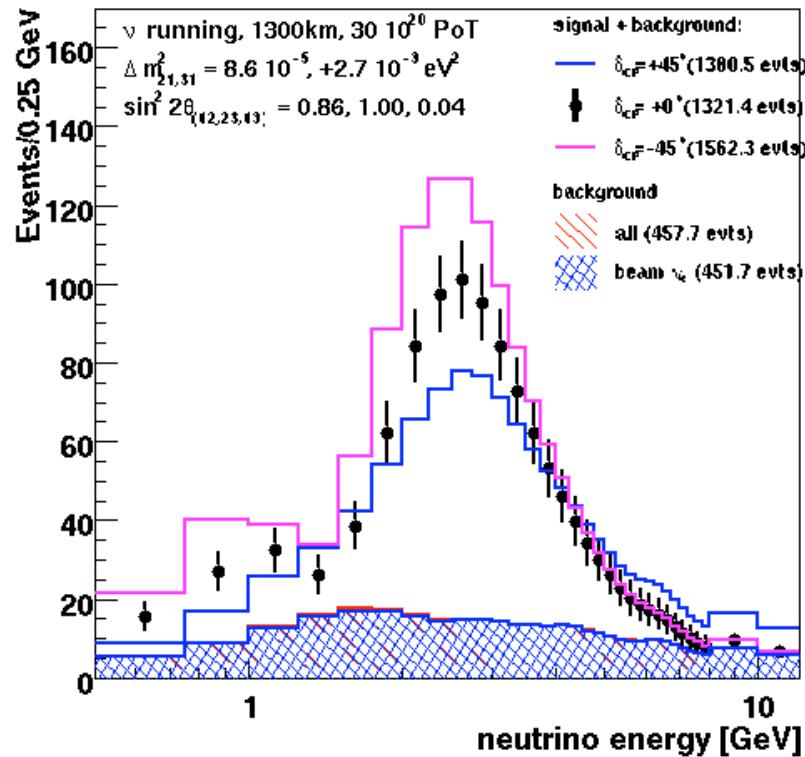
Long baseline plots final results of the FNAL/BNL study

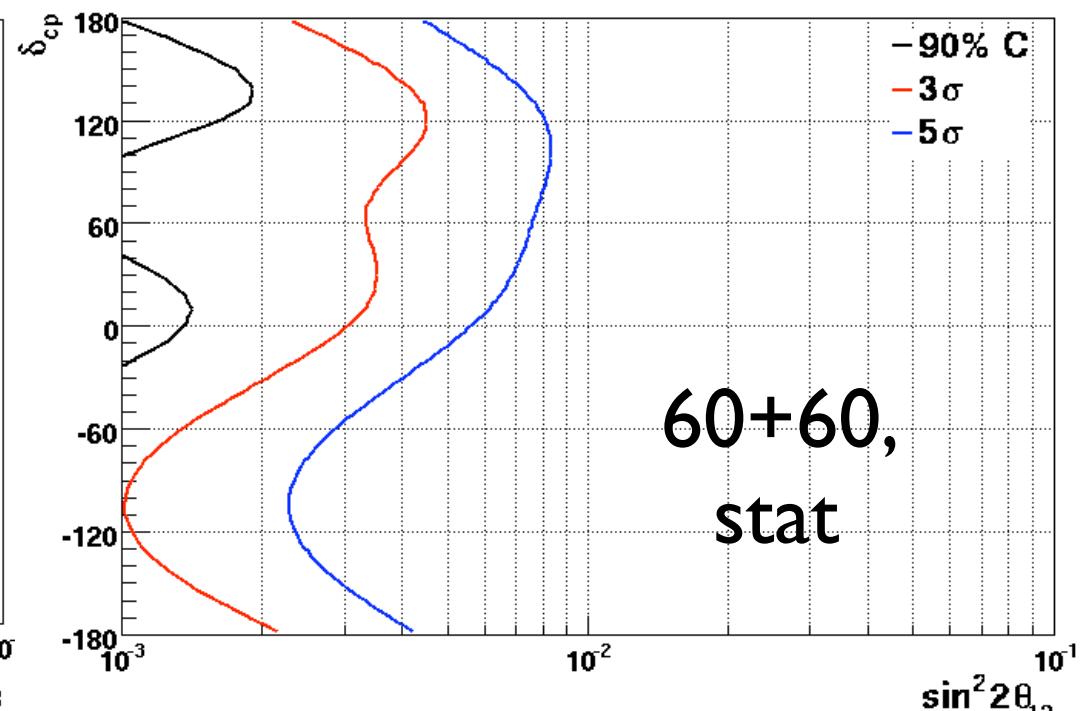
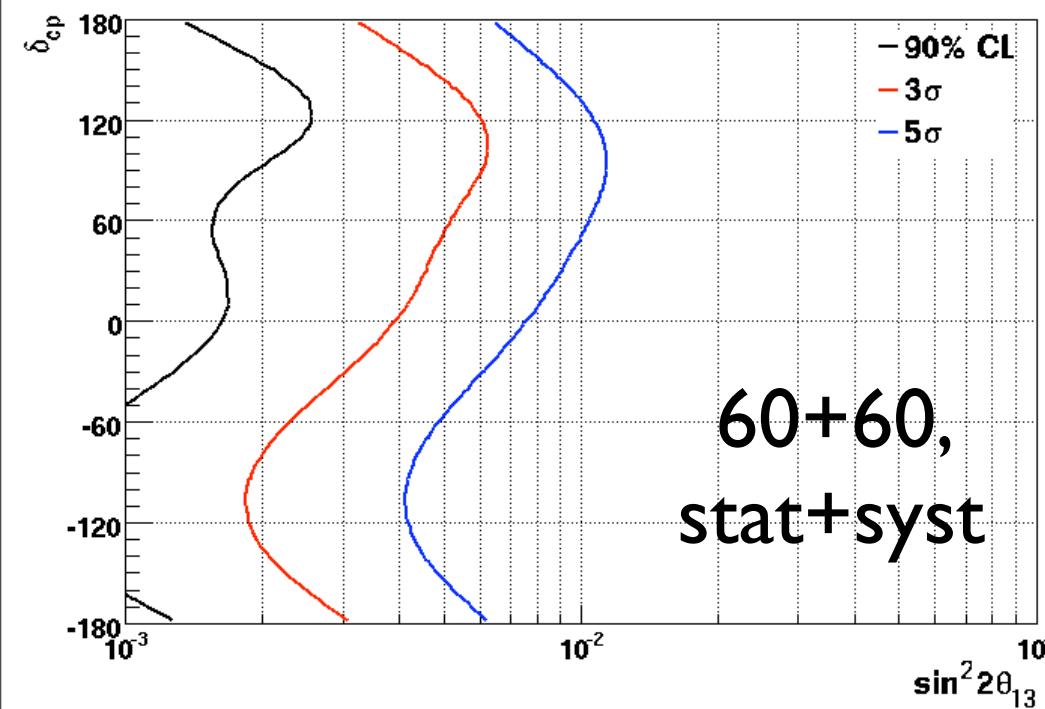
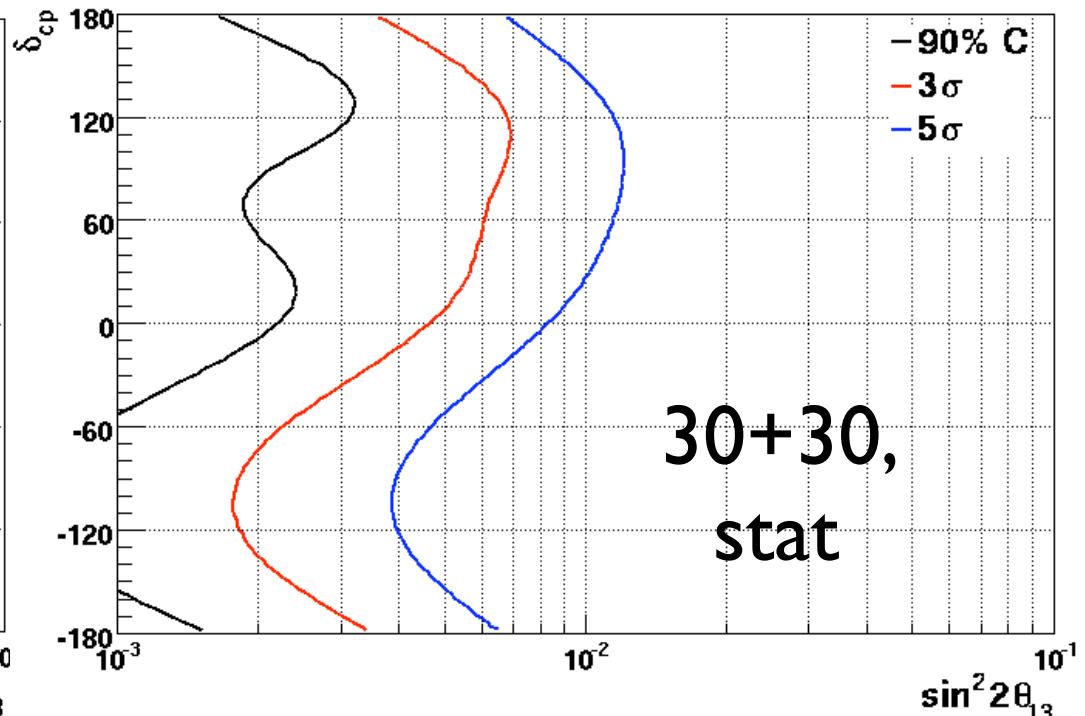
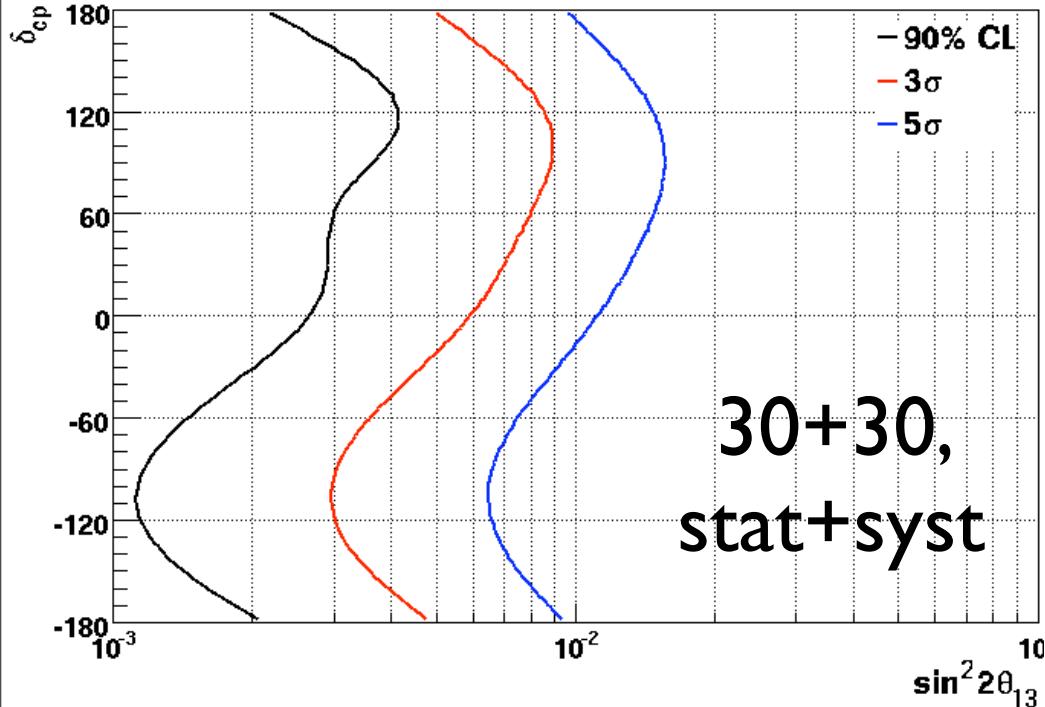
3/21/2007

Assumptions

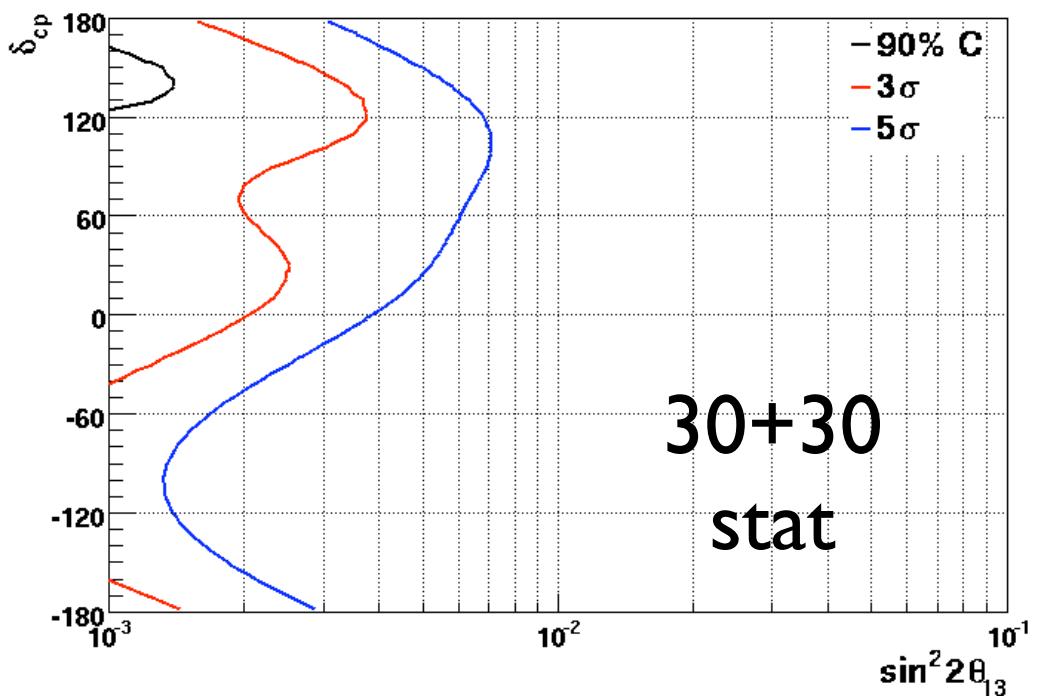
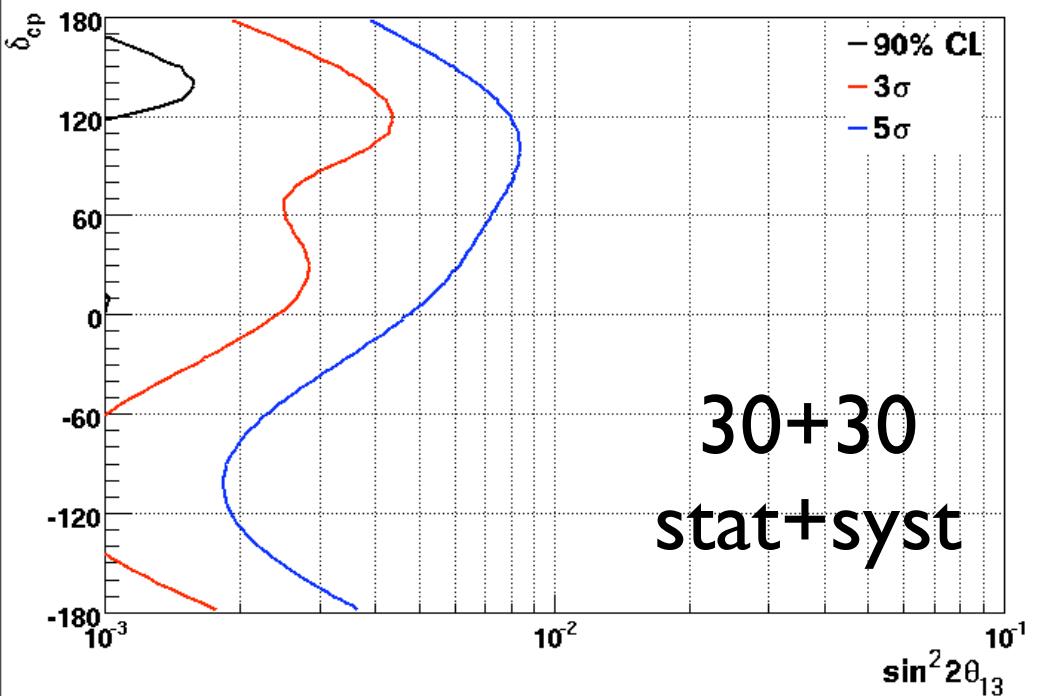
- beam: 120 GeV 0.5 deg
- efficiencies from Yanagisawa for WCh
- for LAR 80% eff for sig. very little NC bkg.
- WCh: 300 kTon fiducial mass, LAR: 100kT
- 1300 km (1480 km plots in progress)
- 30e20 protons for each nu and anu



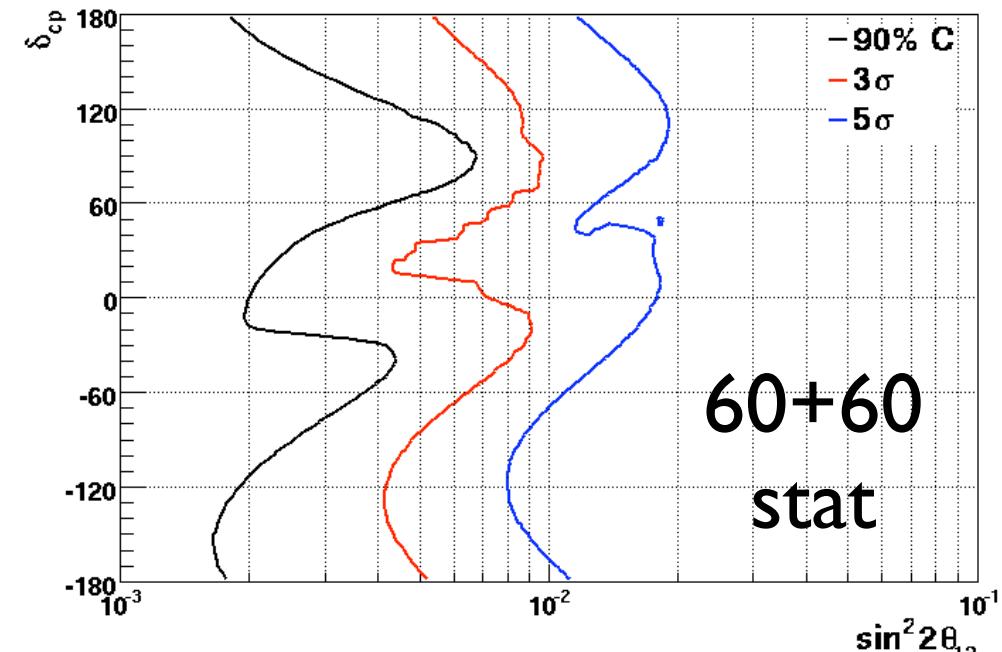
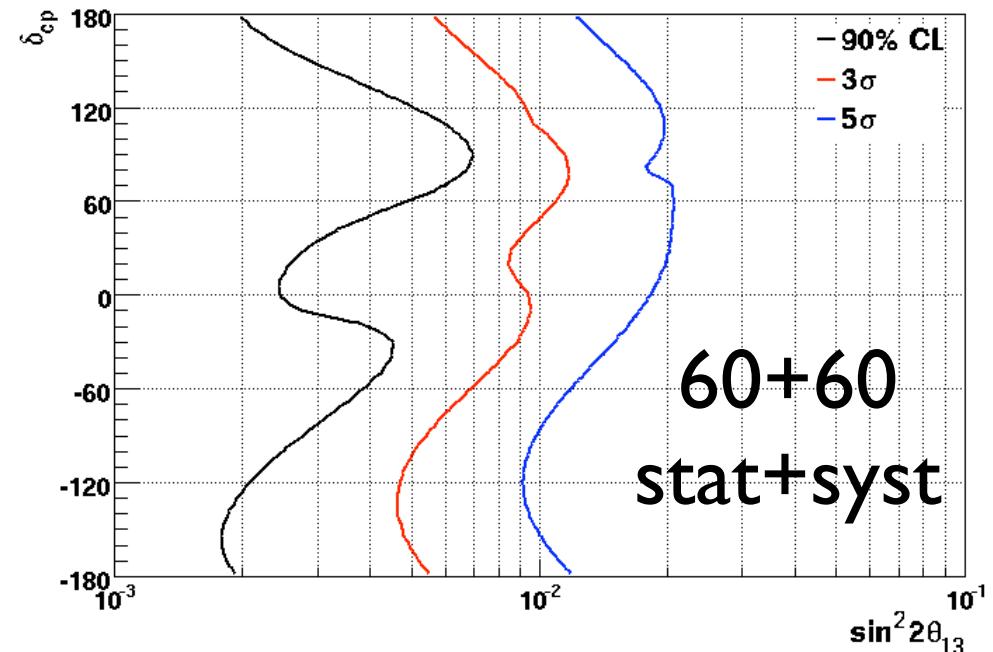
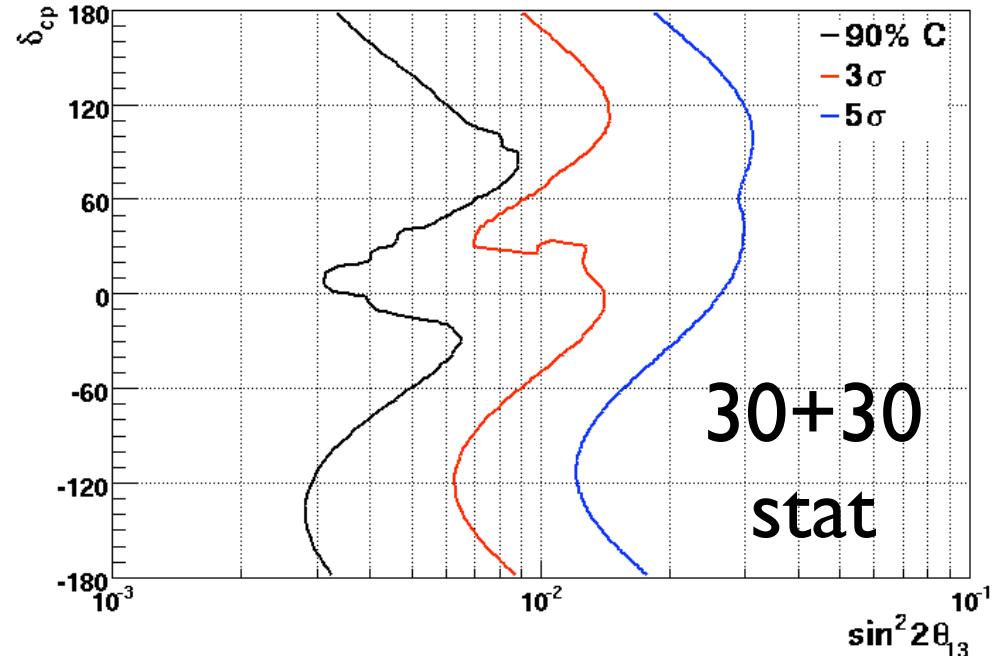
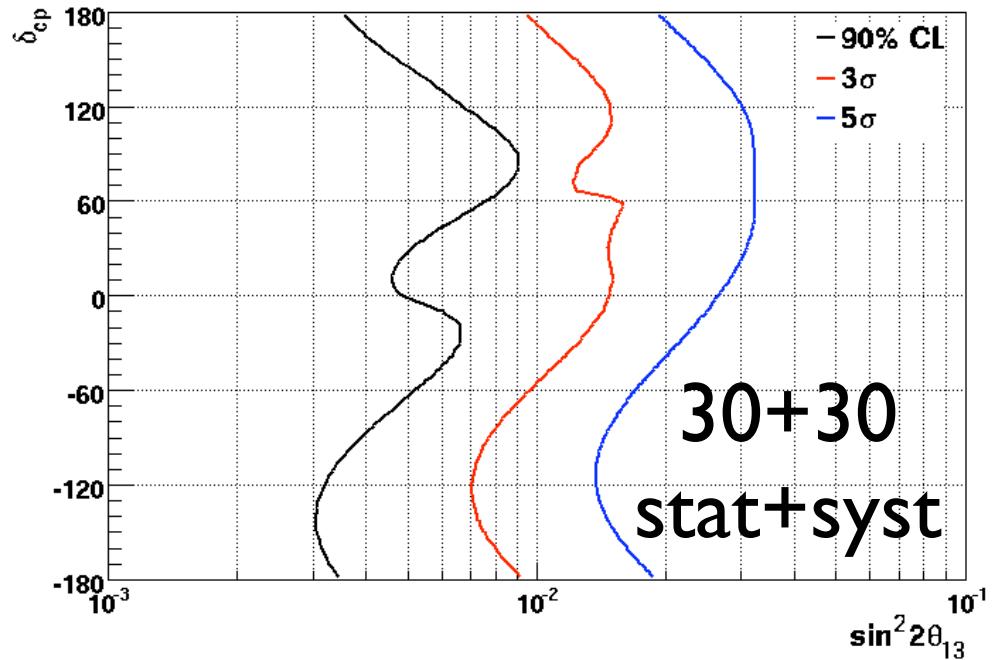




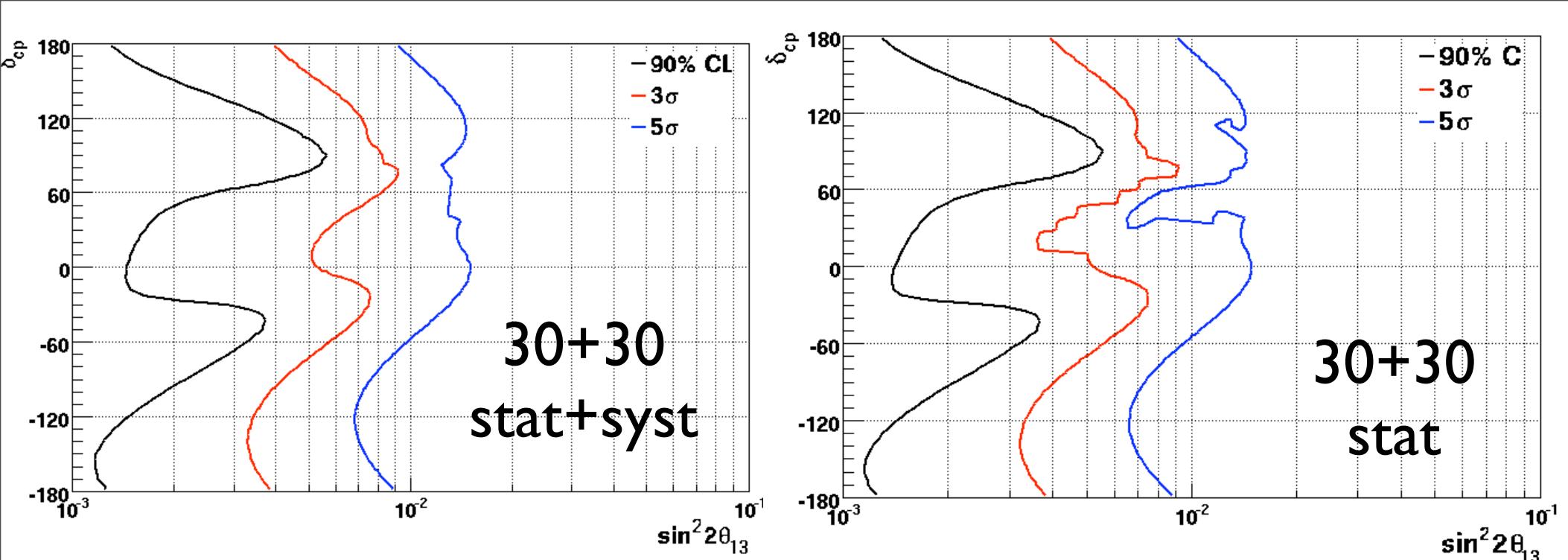
TH13 limit WCh



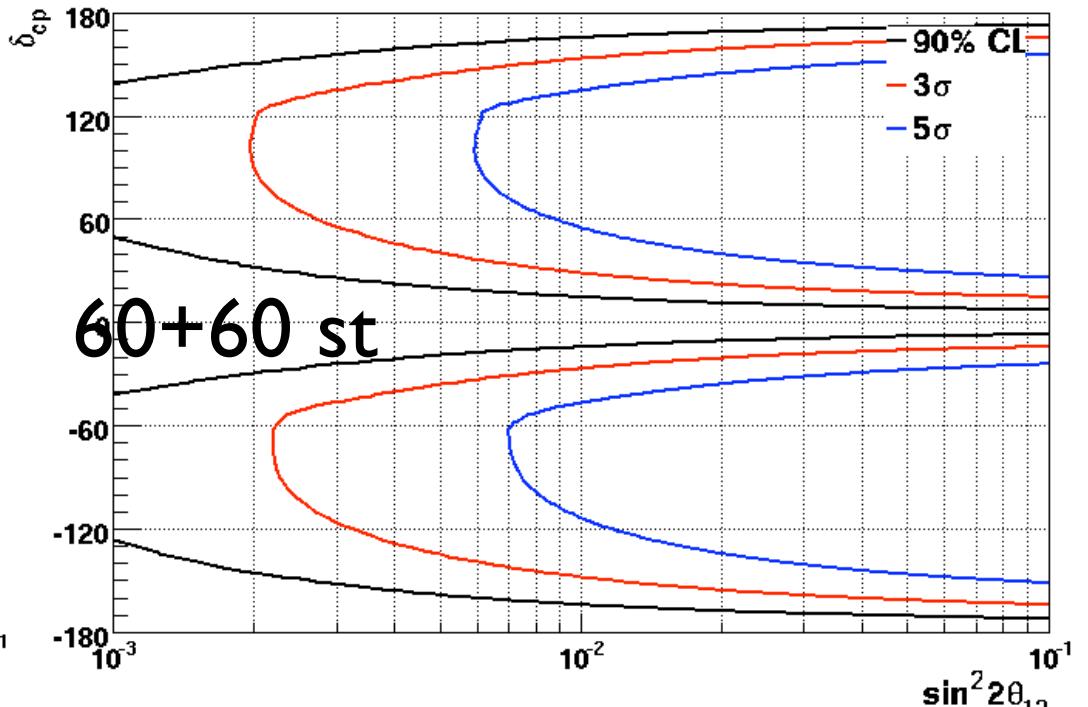
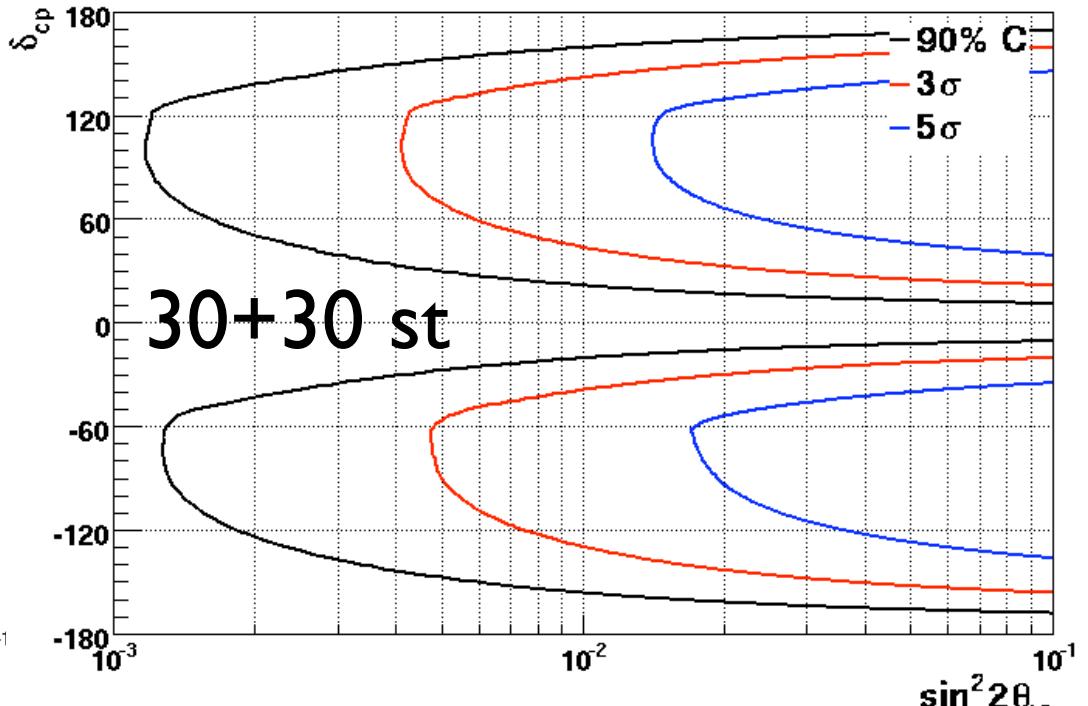
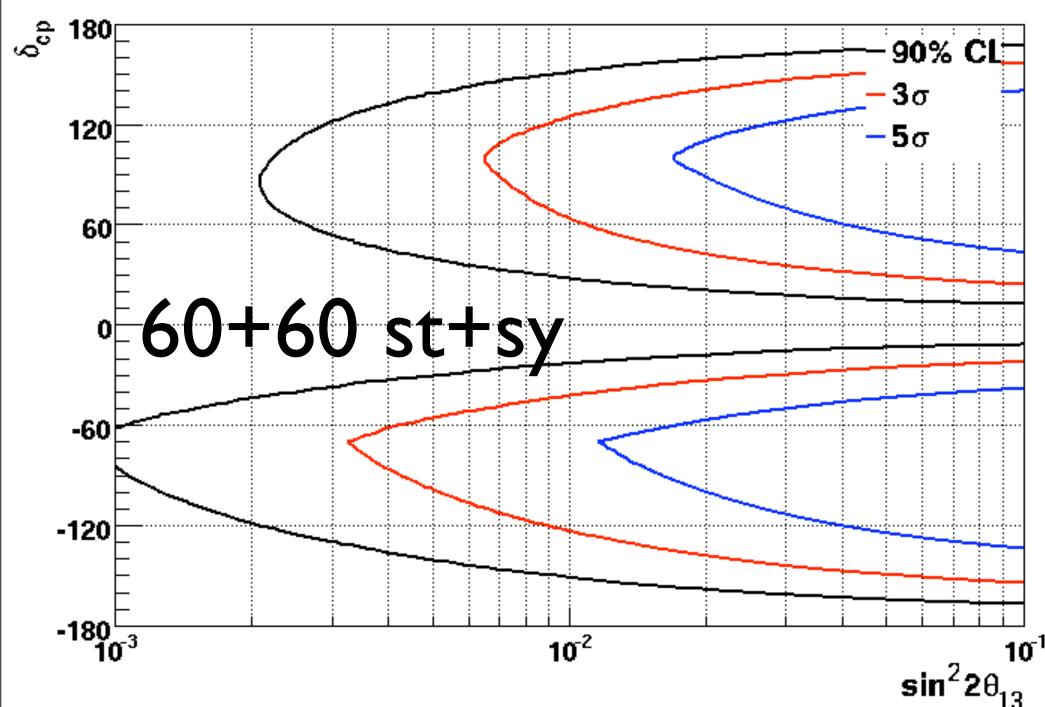
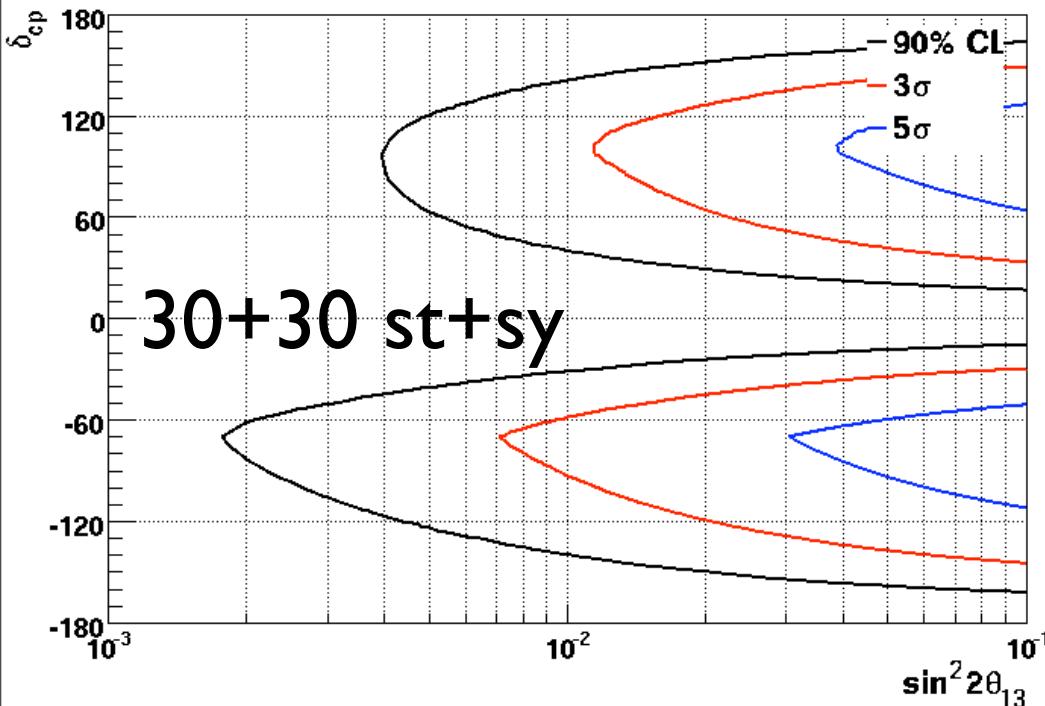
thI3 limit LAR



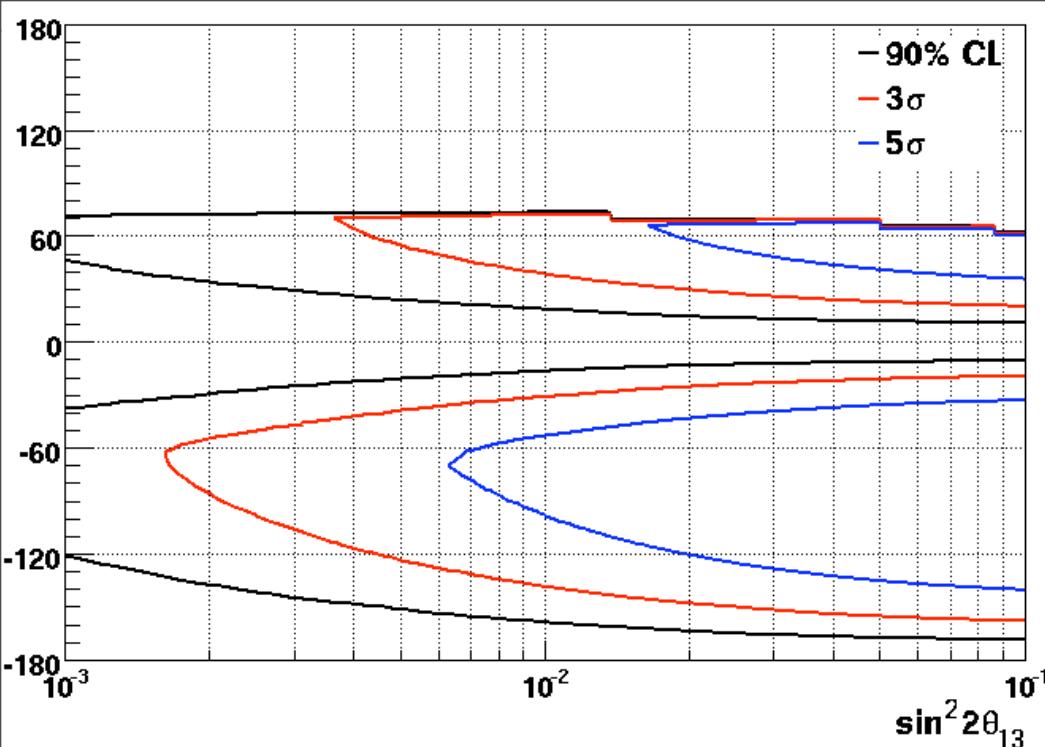
mass hierarchy WCh



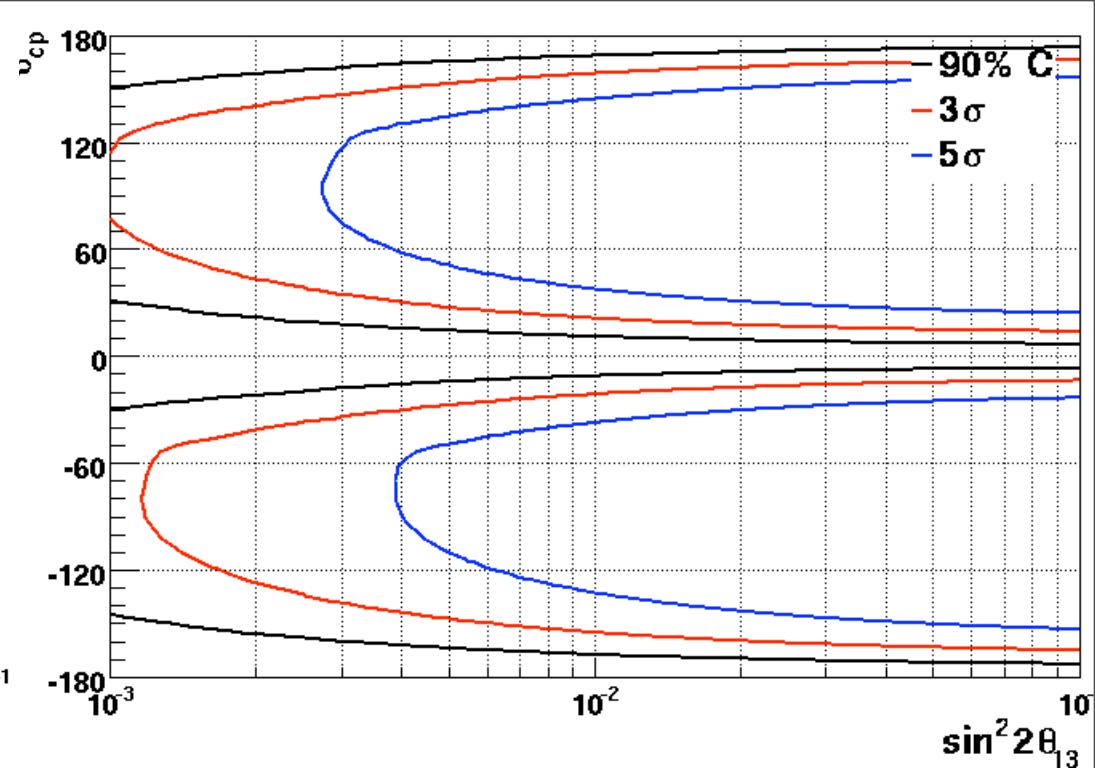
mass hierarchy LAR



CP violation exclusion WCh



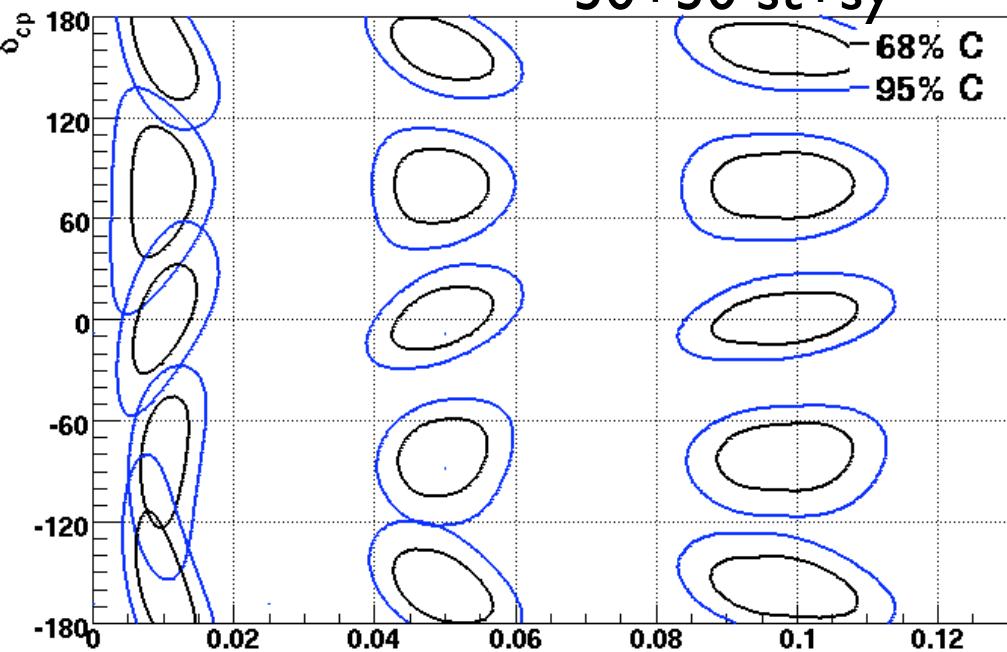
30+30 st+sy



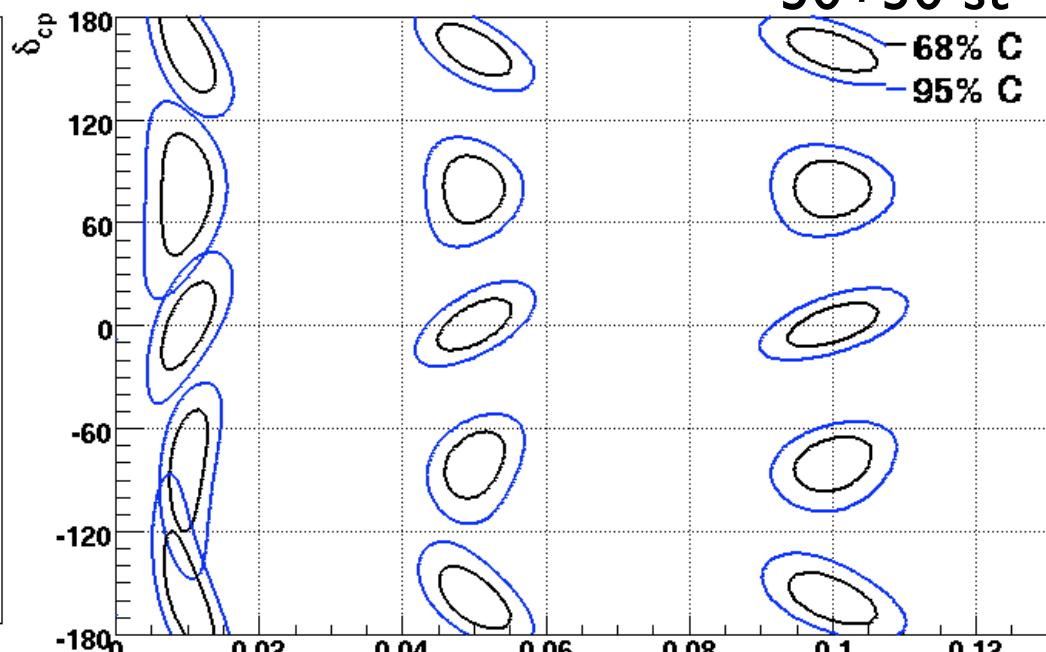
30+30 st

CP exclusion LAR

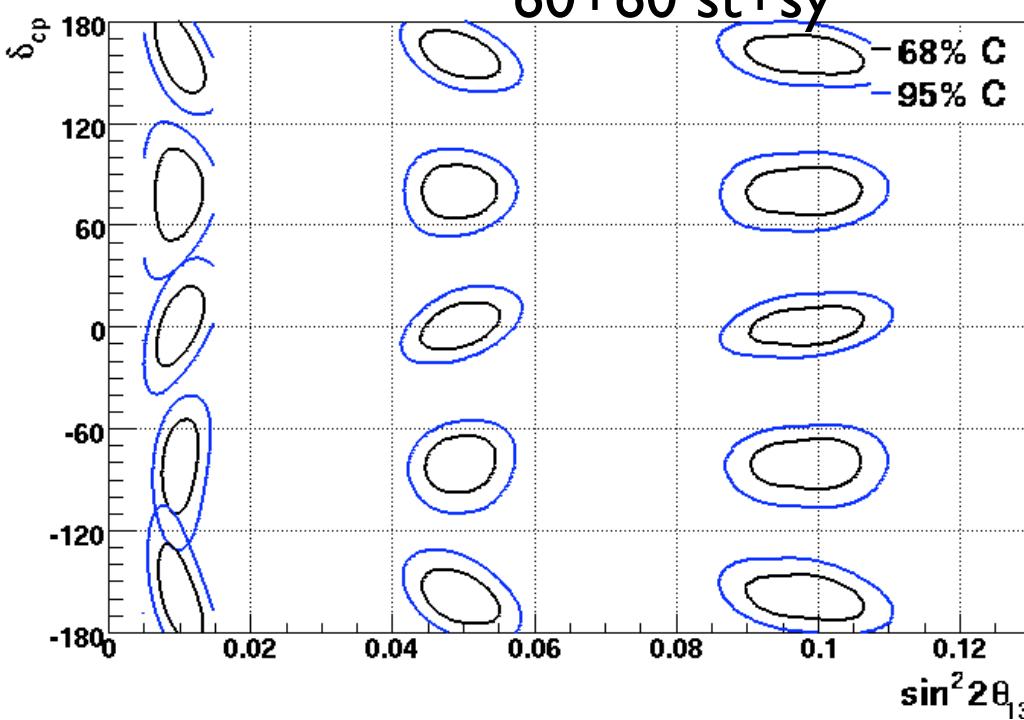
30+30 st+sy



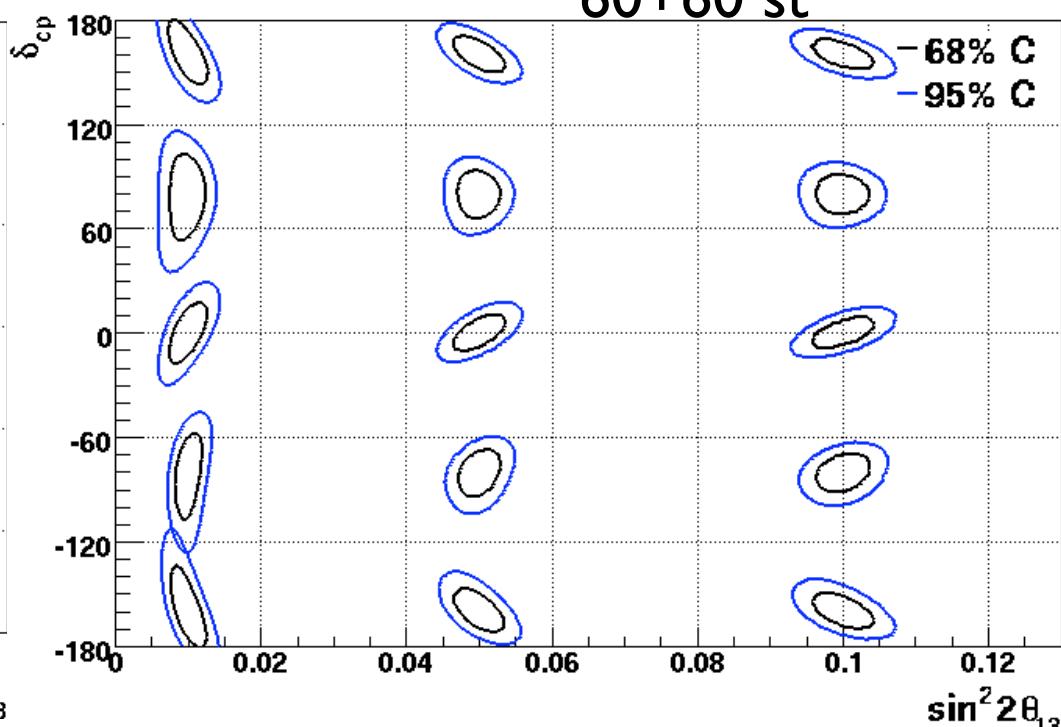
30+30 st



60+60 st+sy

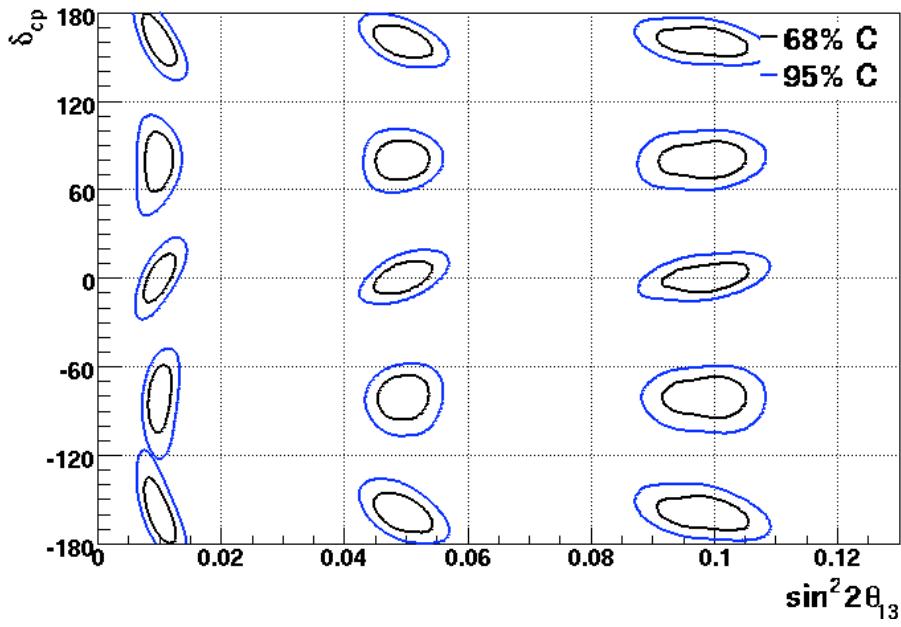


60+60 st

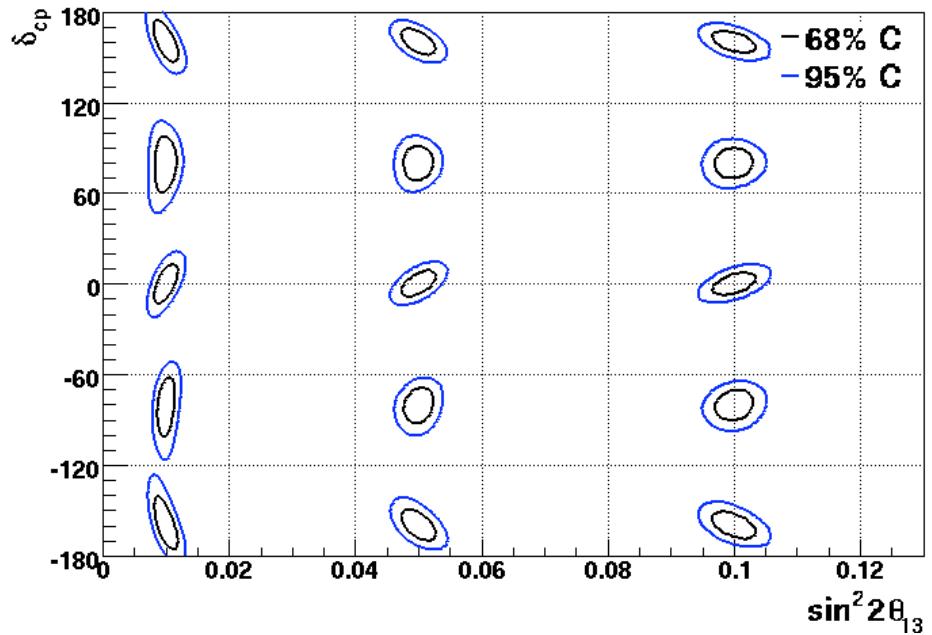


parameter measurement

WCh



30+30 st+sy



30+30 st

parameter measurement LAR

Conclusions